PATENT COOPERATION TREATY

REC'D 06:APR 2005 PCT WIPO

From the

INTERNATIONAL SEARCHING AUTHO)HIIY				
To:		PCT			
see form PCT/ISA/220	2/6	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)			
		Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)			
Applicant's or agent's file reference see form PCT/ISA/220		FOR FURTHER ACTION See paragraph 2 below			
International application No. PCT/US2004/038438	International filing date ((day/month/year) Priority date (day/month/year) 17.11.2003			
International Patent Classification (IPC) or both national classification and IPC C08F8/42, C08F8/40, C09D11/02					
Applicant SUN CHEMICAL CORPORATION					
This opinion contains indication	ons relating to the fo	llowing items:			
☑ Box No. I Basis of the op ☐ Box No. II Priority	•				
☐ Roy No. III Non-establish	ment of opinion with rec	gard to novelty, inventive step and industrial applicability			

FURTHER ACTION

Box No. IV

Box No. V

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.

applicability; citations and explanations supporting such statement

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

For further details, see notes to Form PCT/ISA/220. 3.

Lack of unity of invention

Certain documents cited

☐ Box No. VII Certain defects in the international application

☐ Box No. VIII Certain observations on the international application

Name and mailing address of the ISA:

Authorized Officer

European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d

Fax: +49 89 2399 - 4465

Telephone No. +49 89 2399-



International application No. PCT/US2004/038438

_	Box N	o. I Basis of the opinion
1.	With rethe lan	egard to the language, this opinion has been established on the basis of the international application in guage in which it was filed, unless otherwise indicated under this item.
	laı	nis opinion has been established on the basis of a translation from the original language into the following nguage , which is the language of a translation furnished for the purposes of international search nder Rules 12.3 and 23.1(b)).
2.	With renecess	egard to any nucleotide and/or amino acid sequence disclosed in the international application and sary to the claimed invention, this opinion has been established on the basis of:
	a. type	of material:
		a sequence listing
		table(s) related to the sequence listing
	b. form	nat of material:
		in written format
		in computer readable form
	c. time	e of filing/furnishing:
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.	ha Ç0	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional opies is identical to that in the application as filed or does not go beyond the application as filed, as opropriate, were furnished.
4.	Additio	onal comments:

International application No. PCT/US2004/038438

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-62

No: Claims

Inventive step (IS)

Yes: Claims

1-62

Industrial applicability (IA)

No: Claims

1-62

Yes: Claims
No: Claims

2. Citations and explanations

see separate sheet

Box No. VI Certain documents cited

1. Certain published documents (Rules 43bis.1 and 70.10)

and/or

2. Non-written disclosures (Rules 43bis.1 and 70.9)

see form 210

Re Item V.

1 Reference is made to the following documents cited in the International Search Report:

D1: PATENT ABSTRACTS OF JAPAN vol. 1998, no. 08, 30 June 1998 (1998-06-

30) & JP-A-10 067959

D2: US-A-4 705 568

D3: US-A-4 659 848

D4: EP-A-0 147 642

None among the documents D1 to D4 discloses a polymer complex comprising all the mandatory features as specified in independent claim 1 of the present application.

Combinations of the teaching derivable from D1 to D4 would not lead either, in an obvious manner, to the preparation of the claimed polymer complex.

The subject-matter of claim 1 is therefore novel (Article 33(2) PCT) and considered as involving an inventive step (Article 33(3) PCT).

Claims 2-12 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

Moreover, since each of the independent claims 13, 26, 38 and 51 requires the presence or use of the polymer complex as specified in claim 1, said independent claims 13, 26, 38, 51 and the claims 14-25, 27-37, 39-50 and 52 to 62 which are respectively dependent therefrom meet also the requirements of the PCT with respect to novelty and inventive step.

3. The claimed subject-matter is industrially applicable (Art. 33(4) PCT).

PATENT COOPERATION TREATY

REC'D 06:APR 2005 PCT WIPO

From the INTERNATIONAL SEARCHING AUTHORITY

To: see form PCT/ISA/220 Applicant's or agent's file reference see form PCT/ISA/220 International filing d International application No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

		Date of mailing (day/month/year)) see form PCT/ISA/210 (second sheet)	
Applicant's or agent's file reference see form PCT/ISA/220		FOR FURTHER ACTION See paragraph 2 below		_ ,
International application No. PCT/US2004/038438	International filing date (date)	day/month/year)	Priority date (day/month/year) 17.11.2003	
International Patent Classification (IIICO8F8/42, C08F8/40, C09D1		and IPC		
Applicant SUN CHEMICAL CORPORA	TION	•		

Applicant SUN CHEMICAL CORPORATION		
1.	This opinion co	ntains indications relating to the following items:
•	⊠ Box No. I	Basis of the opinion
	☐ Box No. II	Priority
	☐ Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
	☐ Box No. IV	Lack of unity of invention
	🛭 Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	☑ Box No. VI	Certain documents cited
	☐ Box No. VII	Certain defects in the international application
	☐ Box No. VIII	Certain observations on the international application
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	For further optio	ons, see Form PCT/ISA/220.
3.	For further detail	ils, see notes to Form PCT/ISA/220.
	.,. <u>.</u>	,

Name and mailing address of the ISA:



European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465

Authorized Officer

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- International application No. PCT/US2004/038438

	Box	No. I	Basis of the opinion
1.	With the la	rega Ingua	rd to the language, this opinion has been established on the basis of the international application in age in which it was filed, unless otherwise indicated under this item.
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	a. typ	e of	material:
		a	sequence listing
		ta	ble(s) related to the sequence listing
	b. for	mat	of material:
		in	`written format
		in	computer readable form
	c. tim	e of	filing/furnishing:
		CC	ontained in the international application as filed.
		file	ed together with the international application in computer readable form.
		fu	rnished subsequently to this Authority for the purposes of search.
3.	1	nas b copie	dition, in the case that more than one version or copy of a sequence listing and/or table relating thereto been filed or furnished, the required statements that the information in the subsequent or additional is is identical to that in the application as filed or does not go beyond the application as filed, as opriate, were furnished.

4. Additional comments:

International application No. PCT/US2004/038438

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-62

No: Claims

Inventive step (IS)

Yes: Claims

1-62

Industrial applicability (IA)

Yes: Claims

No: Claims

1-62

No: Claims

2. Citations and explanations

see separate sheet

Box No. VI Certain documents cited

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